

MONTHLY SEM MEASUREMENT QC

INSTRUMENT: _____ DATE: _____ TIME: _____

OPERATOR: _____

Each month, a SEM micrograph of the NIST 484g or PTB 5272 SEM magnification std. is taken to demonstrate measurement accuracy in the one micron size range. Operating conditions are those used during an automated GSR run.

WORKING DISTANCE: _____

MAGNIFICATION 20KX: _____

ACCELERATING VOLTAGE: _____

SPOT SIZE: _____

APERATURE SIZE: _____

CLEAR OBJECTIVE LENS: _____

FILAMENT TEMPERATURE/CURRENT: _____

MEASURED SEGMENT 1.08 $\mu\text{m} \pm 0.1 \mu\text{m}$: _____
(NIST 484 STD)

MEASURED SEGMENT 0.99 $\mu\text{m} \pm 0.1 \mu\text{m}$: _____
(PTB 5272 STD)